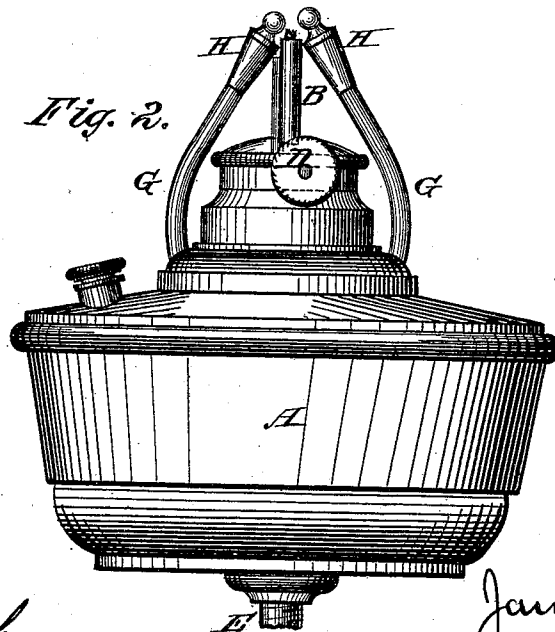
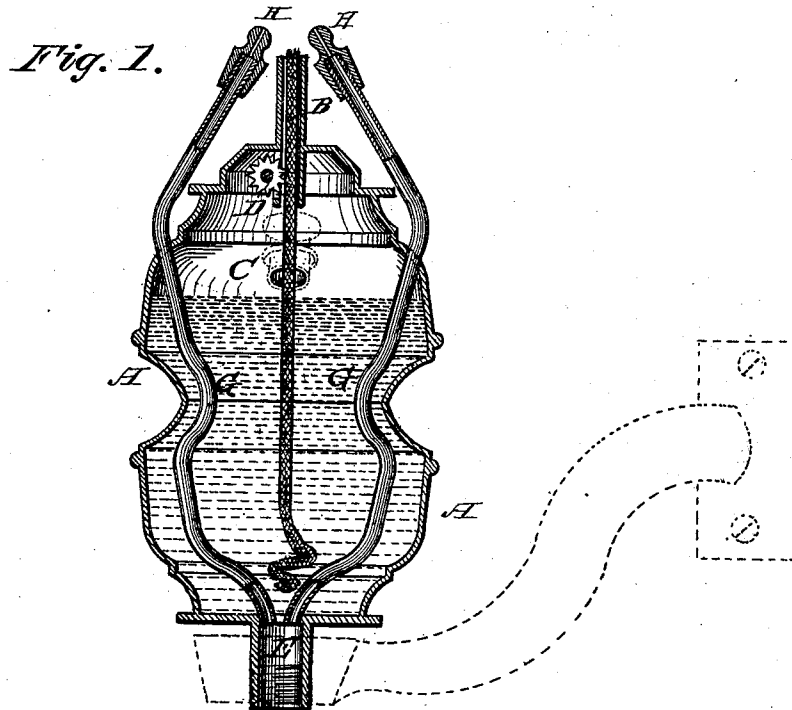


J. M. CLARK.
GAS-BURNER.

No. 177,322.

Patented May 16, 1876.



Witnesses:
P. C. Dieterich.
F. H. Duffy

Inventor:
James M. Clark
Per: *C. H. Watson & Co.* Attorneys.

UNITED STATES PATENT OFFICE.

JAMES M. CLARK, OF LANCASTER, PENNSYLVANIA.

IMPROVEMENT IN GAS-BURNERS.

Specification forming part of Letters Patent No. **177,322**, dated May 16, 1876; application filed April 18, 1876.

To all whom it may concern:

Be it known that I, JAMES M. CLARK, of Lancaster city, in the county of Lancaster and State of Pennsylvania, have invented certain new and useful Improvements in Burners; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to ordinary city gas-burning devices; and it consists in combining an oil-lamp with gas-burners, as will be hereinafter more fully set forth.

In the annexed drawing, Figure 1 is a vertical section of my invention. Fig. 2 is a side elevation of the same.

A represents an oil-reservoir of any suitable construction, provided with wick-tube, B, wick C, and wick-raiser D, all constructed in any of the known and usual ways. On the bottom of the reservoir is a projecting tube or collar, E, provided with interior screw-threads, to be screwed onto any gas-tube, chandelier, or bracket, in lieu of the ordinary gas-burner. From the top of the collar E extend two tubes, G G, through the top of the reservoir A, and said tubes are provided on their upper ends with burners H H, one on each side of the wick-tube B.

This completes the construction of my invention, which is intended to be used in place of the ordinary gas-burners now in common use, and when the gas is then turned on and lighted at the burners H, the wick C of the lamp is also ignited. The heat from the gas-burners causes the oil in the lamp to be con-

verted into and burn as gas, the whole making a very brilliant light.

By experiments I have found that two one-foot gas-burners, one on each side of the wick, will give a better light than one six-foot gas-burner, thus causing a very material saving in the cost of gas consumed.

The reservoir and its attachments may be made plain, or more or less ornamented, to suit the taste.

I am aware that a gas-supplying tube has been placed at one side of a lamp, and delivering its gas at the point of combustion, and opposite a deflecting-plate. I, however, dispense with the plate, and substitute a second supplying-tube, which effects substantially the same purpose, at the same time furnishing gas in a much more efficient manner.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the burners and wick and the adjustable wick, whereby the wick can be adjusted to correspond to the pressure of gas, substantially as and for the purposes set forth.

2. The oil-reservoir A, having the tubes G G arranged within the same, with the collar E at one end, and the inclined burners H H at the other, in combination with the wick-tube B and adjustable wick, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JAMES M. CLARK.

Witnesses:

WM. B. UPPERMAN,
F. H. DUFFY.